

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/801,669-Conf. #4076
				Filing Date	March 17, 2004
				First Named Inventor	Wei-Wu He
				Art Unit	1641
				Examiner Name	C. E. Foster
Sheet	1	of	3	Attorney Docket Number	PF140P1D2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A*	US-5,552,536	09-03-1996	Nicholson et al.	
	B*	US-6,733,981	05-11-2004	He et al.	
	C*	US-6,835,555	12-28-2004	He et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	D	WO-96/33268	10-24-1996	Merck & Co., Inc.	
	E	EP-0 533 226 A2	03-24-1993	Merck & Co., Inc.	
	F	CA-2,075,662	02-17-1993	Merck & Co., Inc.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	G	GeneSeq Accession No. T66992 (08-05-97) IDUN PHARM., INC. et al., "Apototic protease Mch3-alpha cDNA"	
	H	GeneSeq Accession No. T66970 (07-21-97) VERTEX PHARM., INC., "Cysteine protease CMH-1 cDNA"	
	I	GeneSeq Accession No. T66993 (08-05-97) IDUN PHARM., INC., "Cysteine protease Mch3-beta cDNA"	
	J	GeneSeq Accession No. W15247 (07-21-97) VERTEX PHARM., INC., "Cysteine protease CMH-1"	
	K	GeneSeq Accession No. W15262 (08-05-97) IDUN PHARM., INC., "Apototic protease Mch3-alpha"	
	L	GeneSeq Accession No. W15263 (08-05-97) IDUN PHARM., INC., "Cysteine protease Mch3-beta"	
	M	GenBank Accession No. U39613 (01-19-96) DUAN et al., "Human cysteine protease ICE-LAP3 mRNA"	
	N	GenBank Accession No. U37448 (12-14-95) PERNANDES-ALNEMRI et al., "Human Mch3 isoform alpha (Mch3) mRNA"	
	O	GenBank Accession No. U40281 (01-27-96) LIPPKE et al., "Human cysteine protease CMH-1 mRNA"	
	P	GenBank Accession No. U67319 (03-19-97) JUAN et al., "Human Lice2 beta cysteine protease mRNA"	
	Q	GenBank Accession No. U67320 (03-19-97) JUAN et al., "Human Lice2 gamma cysteine protease mRNA"	
	R	GenBank Accession No. U37449 (12-14-95) FERNANDES-ALNEMRI et al., "Human Mch3 isoform beta (Mch3) mRNA"	
Examiner Signature			Date Considered

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/801,669-Conf. #4076
				Filing Date	March 17, 2004
				First Named Inventor	Wei-Wu He
				Art Unit	1641
				Examiner Name	C. E. Foster
Sheet	2	of	3	Attorney Docket Number	PF140P1D2

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	S	GenBank Accession No. H91868 (11-29-95) HILLIER et al., "ys81a06.rl Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:221170 5' similar to SP:A49429 A49429 CED-3+INTERLEUKIN-1 BETA-CONVERTING ENZYME HOMOLOG - CAENORHABDITIS ;, mRNA sequence"		
	T	GeneSeq Accession No. V05471 (07-02-98) UNIV. MICHIGAN, "Nucleic acid encoding a protein designated YAMA"		
	U	GeneSeq Accession No. T33567 (12-06-96) UNIV. MICHIGAN, "Pro-Yama cDNA"		
	V	GeneSeq Accession No. V32608 (10-26-98) MERCK FROSST CANADA, INC., "Mutant human apopain (caspase-3) pro-enzyme cDNA"		
	W	GeneSeq Accession No. V32615 (10-26-98) MERCK FROSST CANADA, INC., "Mutant human apopain (caspase-3) pro-enzyme cDNA"		
	X	GeneSeq Accession No. W00677 (12-06-96) UNIV. MICHIGAN, "Pro-Yama"		
	Y	GeneSeq Accession No. W00372 (06-26-97) MERCK & CO., INC. et al., "Apopain CPP32beta proenzyme"		
	Z	GeneSeq Accession No. W41688 (07-02-98) UNIV. MICHIGAN, "Amino acid sequence of a protein designated YAMA"		
	AA	GeneSeq Accession No. W16600 (06-26-97) MERCK & CO., INC. et al., "Apopain CPP32a proenzyme"		
	AB	GeneSeq Accession No. W48945 (10-26-98) MERCK FROSST CANADA, INC., "Mutant human apopain (caspase-3) C163S pro-enzyme"		
	AC	GeneSeq Accession No. W48937 (10-26-98) MERCK FROSST CANADA, INC., "Mutant human apopain (caspase-3) C163S pro-enzyme"		
	AD	GenBank Accession No. U26943 (08-29-95) TEWARI et al., "Human cysteine protease Yama mRNA"		
	AE	GenBank Accession No. U13737 (04-14-95) FERNANDES-ALNEMRI et al., "Human cysteine protease CPP32 isoform alpha mRNA"		
	AF	GenBank Accession No. U13738 (04-14-95) FERNANDES-ALNEMRI et al., "Human cysteine protease CPP32 isoform beta mRNA"		
	AG	GenBank Accession No. T10341 (06-07-94) SOARES et al., "seq1254 b4HB3MA Cot8-HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT8-HAP-Ft280 5' similar to similar to Human Cysteine proteinase and to Mouse interleukin 1-beta convertase, mRNA sequence"		
	AH	GenBank Accession No. H29199 (07-17-95) HILLIER et al., "ym31f11.rl Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:49729 5' similar to SP:A49429 A49429 CED-3=INTERLEUKIN-1 BETA-CONVERTING ENZYME HOMOLOG - CAENORHABDITIS ;, mRNA sequence"		
	AI	GenBank Accession No. N85243 (04-01-96) LIEW, C.C., "J2957F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone J2957 5' similar to CYSTEINE PROTEASE CPP32, mRNA sequence"		
	AJ	CERRETTI et al., "Molecular Cloning of the Interleukin-1 $\beta$ Converting Enzyme," Science, 256:97-100 (04-03-92).		
	AK	WALKER et al., "Crystal Structure of the Cysteine Protease Interleukin-1 $\beta$ -Converting Enzyme: A (p20/p10) <sub>2</sub> Homodimer," Cell, 78:343-352 (07-29-94), Cell Press.		
	AL	WANG et al., "Ich-1, an Ice/ced-3-Related Gene, Encodes Both Positive and Negative Regulators of Programmed Cell Death," Cell, 78:739-750 (09-09-94), Cell Press.		
	AM	HENKART, P., "ICE Family Proteases: Mediators of All Apoptotic Cell Death?," Immunity, 4:195-201 (03-96), Cell Press.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/801,669-Conf. #4076
				Filing Date	March 17, 2004
				First Named Inventor	Wei-Wu He
				Art Unit	1641
				Examiner Name	C. E. Foster
Sheet	3	of	3	Attorney Docket Number	PF140P1D2

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	AN	KAMENS et al., "Identification and Characterization of ICH-2, a Novel Member of the Interleukin-1 $\beta$ -converting Enzyme Family of Cysteine Proteases," J. Biol. Chem., 270(25):15250-15256 (1995), The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.		
	AO	MUNDAY et al., "Molecular Cloning and Pro-apoptotic Activity of ICERell and ICERelll, Members of the ICE/CED-3 Family of Cysteine Proteases," J. Biol. Chem., 270(26):15870-15876 (1995), The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.		
	AP	TEWARI et al., "Yama/CPP32 $\beta$ , a Mammalian Homolog of CED-3, Is a CrmA-Inhibitable Protease That Cleaves the Death Substrate Poly(ADP-Ribose) Polymerase," Cell, 81:801-809 (1995), Cell Press.		
	AQ	FAUCHEU et al., "A novel human protease similar to the interleukin-1 $\beta$ converting enzyme induces apoptosis in transfected cells," The EMBO Journal, 14(9):1914-1922 (1995).		
	AR	GREENFEDER et al., "Molecular Cloning and Characterization of a Second Subunit of the Interleukin 1 Receptor Complex," J. Biol. Chem., 270(23):13757-13765 (06-09-95), The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.		
	AS	MIURA et al., "Induction of Apoptosis in Fibroblasts by IL-1 $\beta$ -Converting Enzyme, a Mammalian Homolog of the C. elegans Cell Death Gene ced-3," Cell, 75:653-660 (11-19-93), Cell Press.		
	AT	FERNANDES-ALNEMRI et al., "CPP32, a Novel Human Apoptotic Protein with Homology to Caenorhabditis elegans Cell Death Protein Ced-3 and Mammalian Interleukin-1 $\beta$ -converting Enzyme," J. Biol. Chem., 269(49):30761-30764, (12-09-94), The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.		
	AU	ELLIS et al., "Mechanisms and Functions of Cell Death," Annu. Rev. Cell Biol., 7:663-698 (1991), Annual Reviews Inc.		
	AV	BARINAGA M., "Cell Suicide: By ICE, Not Fire," Science, 263:754-756 (02-11-94).		
	AW	CALLARD et al., "The Cytokine Facts Book," New York: Academic Press (1994), p. 31.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--